

Saturday, August 27th, 2016

|  |      | Free CL <sub>2</sub> mg/l | Total CL <sub>2</sub> mg/l | CEDAR ST. 24 HOUR OPERATION REPORT               |
|--|------|---------------------------|----------------------------|--|
| GLWA CL <sub>2</sub> RES 4 A.M.              | 0.89 | 1.08                      |                            |  |
| GLWA CL <sub>2</sub> RES 12 P.M.             |      |                           |                            | Incoming from Dist CL <sub>2</sub> Free Residual |
| WTP Lab CL <sub>2</sub> RES 4 A.M.           | 1.59 | 1.82                      |                            | CL <sub>2</sub> Free Residual After Chlorination |
|  |      |                           |                            | Level Before Filling                             |
|  |      |                           |                            | Level After Filled                               |
| WTP Lab CL <sub>2</sub> RES 12 P.M.          |      |                           |                            | Total Filled                                     |
| WTP Basement (CL-17) 4 A.M.                  | 1.55 |                           |                            | Calcium Hypochlorite Pellets Used                |
|  |      |                           |                            | Calcium Hypochlorite on Hand                     |
| WTP Basement (CL-17) 12 P.M.                 |      |                           |                            | Meter at Start of Pump Cycle                     |
|  |      |                           |                            | Meter at End of Pump Cycle                       |
| WTP Basement (Grab) 12 P.M.                  |      |                           |                            | Water Through Chlorinator                        |
|  |      |                           |                            | <b>WEST SIDE 24 HOUR OPERATION REPORT</b>        |
|  |      |                           |                            | Filling:   |
| <b>APPLIED DOSE OF .9mg/l @ 12.5% Bleach</b> |      |                           |                            |  |
| High   |      |                           |                            |  |
| Low  |      |                           |                            |  |
| <b>APPLIED DOSE OF 2.2 mg/l of 75% Ortho</b> |      |                           |                            |  |
| High   |      |                           |                            |  |
| Low  |      |                           |                            |  |
| Ortho Lab Daily Read (GWLA+C.S.2)            |      |                           |                            |  |
| Ortho C.S.#2 Daily Read                      |      |                           |                            |  |
|  |      |                           |                            |  |
| pH GLWA Incoming C.S.#2                      |      |                           |                            |  |
|  |      |                           |                            |  |
| pH Water Plant Tap                           |      |                           |                            |  |
|  |      |                           |                            | Incoming from Dist CL <sub>2</sub> Free Residual |
|  |      |                           |                            | CL <sub>2</sub> Free Residual After Chlorination |
|  |      |                           |                            | Level Before Filling                             |
|  |      |                           |                            | Level After Filled                               |
|  |      |                           |                            | Total Filled                                     |
|  |      |                           |                            | NaOCl Start of feed                              |
|  |      |                           |                            | NaOCl End of feed                                |
|  |      |                           |                            | Total NaOCl Used                                 |
|  |      |                           |                            | Gallons left in NaOCl                            |
|  |      |                           |                            | Meter at Start of Pump Cycle                     |
|  |      |                           |                            | Meter at End of Pump Cycle                       |
|  |      |                           |                            | Water Through Chlorinator                        |

| Chemical Inventory: Orthophosphate,Bleach,Calcium Pellets |      |         |
|---|------|---------|
| Total Calcium Pellets (wtp+csr+wsr)                       | 59   | Buckets |
| Total Orthophosphate on Site                              | 1462 | Gal     |
| Total Sodium Hypochlorite on Site                         | 2249 | Gal     |
| Total Sodium Hydroxide                                    | 1365 | Gal     |

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|  |   |         |
|--|---|---------|
|  |   | mg/l    |
|  |   | mg/l    |
|  |   | ft      |
|  |   | ft      |
|  | 0 | Mgd     |
|  |   | 0       |
|  | 3 | Buckets |
|  |   |         |
|  |   |         |
|  | 0 | gal     |

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|  |           |      |
|--|-----------|------|
|  | 1.15      | mg/l |
|  |           | mg/l |
|  |           | ft   |
|  |           | ft   |
|  |           | Mgd  |
|  | 208175.00 |      |
|  | 185315.00 |      |
|  | 6.04      | gal  |
|  | 48.96     | gal  |
|  |           |      |
|  |           | gal  |
|  |           |      |

Put into production NaOCl injection system for PS#5. Applied ppm of 0.49mg/l. System is on and feeding with no apparent issues. Will monitor throughout the morning for concerns. @ 0230 incoming residual declined (low of 1.02mg/l) adjusted flows and dosage to compensate. The applied ppm is now 0.60mg/l. Today at 0330 the new injection system was found to be working well. Shut fill valve off at approximately 0530 and waited to pump for 30 minutes using a 4mgd pump. The outgoing reservoir free residual is reporting after 30min of pumping at 1.46 mg/l - 1.51mg/l.



**Cell:** H8

**Comment:** Operations Center:  
fill valve open chlorinator off.

**Cell:** H9

**Comment:** Operations Center:  
pump on for at least 30 min.

**Cell:** B10

**Comment:** Operations Center:  
GLWA + What we add

**Cell:** C10

**Comment:** Operations Center:  
GLWA + What we add

**Cell:** H23

**Comment:** Operations Center:  
fill valve open chlorinator off.

**Cell:** H24

**Comment:** Operations Center:  
pump on for at least 30 min.